

Excavation Verification Plan

Kerr-McGee shall remove all soils and sediments from pre-determined three-dimensional envelopes as shown in this Excavation Verification Plan. The Excavation Verification Plan consists of:

- 2 spreadsheets tables which list the vertices (25,888 verification points) of the surfaces that define the upper and lower surfaces of the excavation envelopes: Verification Data for Excavation Boundary 03/15/05 and Verification Data for Excavation Interior 03/15/05;
- 2 sets of 25 maps illustrating the boundaries of the three-dimensional surfaces representing the upper surface (figures on top maps depict bottom of overburden excavation explicitly and top of excavation implicitly) of the excavation envelopes and the lower surface of the excavation envelopes: Bottom Verification Points of Excavation and Top Verification Points of Excavations (Figures A thru W and FF and GG for each set)

Compliance with the excavation requirements shall be demonstrated by verifying excavation elevations at each of the specified points in this Excavation Verification Plan. It is understood that the excavation obligation extends to excavating to a surface formed by connecting all adjacent verification points with straight lines. The points identified in the Excavation Verification Plan include the verification points for the upper and lower boundaries of excavation. Collectively, these points define the lower and upper surfaces between which all materials must be excavated. Compliance with the excavation requirements shall be demonstrated by measuring the elevation at each of these specified points, post-excavation. For verification and compliance with the lower limits of the excavation, the measured post-excavation elevation at each point must be lower than the elevation for that point specified in the Excavation Verification Plan.

The points listed in the Excavation Verification Plan also include the upper verification points which serve to separate the material which does not need to be shipped and transported and which may be returned to the Site (i.e., overburden) from the materials within the excavation envelopes which must be excavated and shipped to the REF for direct shipment to Envirocare or other licensed facility. Where the materials in the excavation envelopes are covered by overburden, excavation shall proceed to the specified upper surface elevations of the points in the Excavation Verification Plan. Compliance shall be achieved when the surface elevation after excavation of the overburden is no more than six (6) inches above and no more than three (3) inches below the upper elevation specified in the Excavation Verification Plan at the corresponding point. These overburden materials shall be segregated from the materials that are in the excavation envelopes.

Most top surface verification points are located within excavation areas where there is no overburden layer and the targeted material extends to the ground surface (GS). In those instances, for clarity in reviewing the top surface maps, the verification points which have no overburden are not shown on the Top Verification Points of Excavation maps. The points are listed in the Excavation Verification Plan spreadsheet tables with "GS" for ground surface listed in the top surface elevation column. The location of these drillholes and boundary points with no overburden can be found graphically by viewing the Bottom Verification Points of Excavation maps and observing the corresponding bottom verification point. For example, the graphical location of Boundary Point No. T1 in Reach 3, Pod A7 can be observed by viewing the location of

the corresponding Boundary Point No. B1 in Reach 3, Pod A7 in the associated Bottom Verification Points of Excavation maps.

Where a listed verification elevation at a top boundary is developed by “nearest neighbor” association, it is understood that the actual required elevation may be field adjusted to the existing ground elevation when the elevation in the table is found to be higher than the existing ground.